

## ===== WPI =====

- TI - Recovering vegetable components from aq. soln. - by absorbing dissolved components on synthetic adsorbent, anion exchange resin or active carbon and selectively recovering by desorption
- AB - J05345899 Recovering vegetable component comprises adsorbing vegetable components dissolved in water on synthetic adsorbent, anion exchange resin or activated carbon and recovering the vegetable components selectively through desorption using solvent.
- The vegetable component is hinokitiol. The vegetable components are components with phenolic hydroxyl gp. or carboxyl gp. As the vegetable body, cypress, cedar, umbrella pine, spicabush, pine-tree, etc. are cited. As the adsorbent, synthetic adsorbent, anion exchange resin or activated carbon can be used. As the synthetic adsorbent, styrene-divinyl benzene type copolymer resin, acrylic ester resin, polystyrene type resin, etc. can be used. As the anion exchange resin, styrene-divinyl benzene copolymer resin, acrylic ester resin, polystyrene resin, methacrylic ester resin are used. As the recovering solvent, hexane, benzene, toluene, methanol, ethanol, propanol, acetic acid ester, acetone, methylethyl ketone, ethers, etc. can be used.
- ADVANTAGE - Vegetable components, e.g. hinokitiol, etc. can be recovered from aq. soln. contg. vegetable components, e.g. hinokition, easily and efficiently with high yield. (Dwg. 0/0)
- PN - JP5345899 A 19931227 DW199405 C11B9/02 007pp
- JP2727046B2 B2 19980311 DW199815 C11B9/02 007pp
- PR - JP19920056430 19920205
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- MC - A04-B10 A04-C02E A04-C04 A04-F06E A12-M03 A12-M04 A12-W11D A12-W11E B04-A10 B04-C03B B11-B E10-E04M1
- DC - A97 B04 B05 E15
- IC - A61K35/78 ;C11B9/02
- AN - 1994-040123 {05}

## ===== PAJ =====

- TI - METHOD FOR RECOVERING PLANT COMPONENT
- AB - PURPOSE: To industrially and advantageously recover plant components by making the plant components dissolved in water absorbed on a synthetic adsorbent, an anion exchange resin, etc., and desorbed by using a solvent.
- CONSTITUTION: Plant components, containing hinokitiol, phenolic hydroxyl group or carboxyl group, dissolved in water are absorbed on a synthetic adsorbent such as styrene-divinylbenzene-based copolymer, an anion exchange resin such as acrylic ester resin or active carbon. When the synthetic adsorbent or active carbon is used, the plant components are extracted with an organic solvent such as hexane or ethanol. When the anion exchange resin is used, the plant components are treated with an alkaline agent for regeneration, returned to acidity, extracted with organic solvent and recovered.
- PN - JP5345899 A 19931227
- PD - 1993-12-27
- ABD - 19940404
- ABV - 018191
- AP - JP19930042099 19930205
- GR - C1186
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- IN - KUBOTA MINORU; others: 01
- I - C11B9/02 ;A61K35/78 ;C11B9/00